

02/24/2011

Federal Communications Commission
Office of Engineering and Technology
Laboratory Division

TCB Exclusion List

In establishing the requirements for Telecommunications Certification Bodies (TCBs), the Commission stated that while it intended to allow TCBs to certify a broad range of equipment, certain functions should continue to be performed by the Commission. In accordance with the requirements in Part 2, a TCB shall not grant waivers of Commission rules, certify equipment where FCC rules do not apply, or act on rules that are unclear; shall not authorize a transfer of grantee control; and may not interpret the FCC rules.¹ Equipment subject only to Verification (Section 2.902) or Declaration of Conformity (Section 2.906) procedures of Part 2 Subpart J, or not subject to FCC equipment authorization, shall not be approved using the Certification (Section 2.907) procedure.²

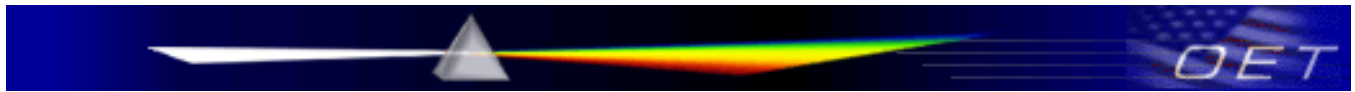
The following items are currently identified as being excluded from certification by a TCB. Applications for equipment certification, including a change in identifier filing under Section 2.933, that are excluded from TCB processing shall be submitted directly to the FCC for certification.

- 1) TCBs are excluded from issuing grants of certification for the following equipment types:
 - a) Unlicensed National Information Infrastructure (UNII) devices with Dynamic Frequency Selection (DFS) capability (Part 15 Subpart E), including client devices operating in the DFS bands that have radar detection capability;³
 - b) Ultra-wideband (UWB) devices (Part 15 Subpart F), wideband systems transmitters operating under Section 15.250, and wideband vehicular radar systems under Section 15.252;
 - c) Access Broadband over Power Line (BPL) devices (Part 15 Subpart G);
 - d) Radio equipment operating in the 3650 MHz band using unrestricted contention based protocol (Part 90 Subpart Z);
 - e) Doppler radars operating in the 24.05 GHz to 24.25 GHz frequency band (Part 90 Subpart F);
 - f) Split modular transmitters authorized under Section 15.212;
 - g) Implanted Transmitters (Part 15 and Part 95 Subpart I);
 - h) 700 MHz Band Transmitters (Part 74, 698 to 806 MHz);
 - i) Television Band Devices (TVBD) (Part 15 Subpart H);
 - j) Transmitters operating under the provisions of Section 90.203(j)(4) with channel bandwidths of greater than or equal to 12.5 kHz operating in either multi-bandwidth modes or under the special

¹ See Sections 2.962(f)(5)(i), 2.962(f)(1), and 2.962(c)(4).

² Questions regarding FCC rules and equipment authorization policies may be submitted via the Knowledge Database (KDB), an OET on-line database containing policies, procedures, common equipment authorization questions, and KDB publications cited in this document. The KDB is available at (www.fcc.gov/labhelp).

³ Devices with ad-hoc capabilities, or devices that perform active scans (initiate probe transmissions), are considered master devices.



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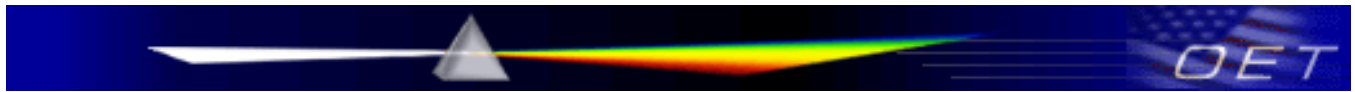
provisions of spectrum efficiency standards specified in Section 90.203 (j)(5), or operating under the provisions of one way paging channel standards of Section 90.203(j) (7).

- 2) TCBs are excluded from issuing equipment certifications for transmitters subject to the following RF exposure conditions and configurations:⁴
 - a) RF exposure evaluations using numerical simulations or computational modeling techniques;
 - b) Portable transmitters operating at frequencies below 300 MHz and SAR evaluation is required; or portable transmitters operating at frequencies above 6 GHz and RF exposure routine evaluation is required; except when there is prior FCC approval for equipment to be certified according to PBA procedures;
 - c) Portable transmitters with source-based, time-averaged output power $> 900 \cdot [f_{\text{GHz}}]^{-0.5}$ mW operating in general population exposure conditions; or $> 2250 \cdot [f_{\text{GHz}}]^{-0.5}$ mW operating in occupational exposure conditions;⁵
 - d) Portable devices operating according to occupational exposure requirements, except for the push-to-talk device configurations described in KDB 447498.
 - e) Portable transmitters with personal wireless routing (“hotspot”) capabilities which have been tested for compliance at distances greater than 10 mm
- 3) TCBs are excluded from approving Class II permissive changes for devices that have not been approved as Software Defined Radio, but the grantee intends to authorize certain approved third parties to change the circumstances under which the transmitter operates by distribution of the software to field deployed devices.⁶

⁴ See Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies (KDB 447498) for related information.

⁵ The thresholds are based on conducted power, according to source-based, time-averaged output power as defined in Section 2.1093(d)(5); f_{GHz} is the mid-band frequency in GHz.

⁶ Transmitters not approved as Software Defined Radio may not be modified by third parties (See KDB 594280). Section 2.944 requires any device capable of such modification to be approved as Software Defined Radio. The Commission may allow grantees to permit specific third parties, such as operating system providers or service providers, to enable software upgrades for field deployed non-SDR devices if the details of such arrangements are provided in a Class II permissive change filing made directly with the Commission. (See KDB 178919 regarding restrictions on permissive changes through software, or any exceptions).



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Change Notice:

07/28/2008

628591 D01 TCB Exclusion List v11 has been changed to a new revision under the same version: 628591 D01 TCB Exclusion List v11r01

Page 2 f (i) (2) “SAR-to-antenna-separation” changed to “SAR to peak location separation ratio” for clarification.

08/21/2008

628591 D01 TCB Exclusion List v11r01 has been changed to a new revision under the same version: 628591 D01 TCB Exclusion List v11r02

Item 1(i) added to list of excluded devices -700 MHz Band Transmitters (Part 74- 698 – 806 MHz).

03/12/2009

628591 D01 TCB Exclusion List v11r02 has been changed to a new revision under the same version: 628591 D01 TCB Exclusion List v11r03

Item 1(j) added to list of excluded devices - Television Band Devices (TVBD) (Part 15 Subpart H).

11/10/2009

628591 D01 Exclusion List v11r03 has been changed to v12 as follows:

Deleted 1) d) of version V11r03:

Modified 1) e) of version V11r03: to remove “. . . 3650 MHz band using restricted contention based protocol (Part 90 Subpart Z) and changed to 1) d) of V12,

Modified 2) b) of version V11r03: to add - . . . is required “except when there is prior FCC approval for equipment to be certified according to PBA procedures.” - For clarification.

Deleted 2) e) and 2) f) of version V11r03:

02/24/2011

628591 D01 Exclusion List v12 has been changed to 628591 D01 Exclusion List v12r01

Item 1 j have been added: Transmitters operating under the provisions of Section 90.203(j)(4) with channel bandwidths of greater than or equal to 12.5 kHz.

Item 2 e have been added: Portable transmitters with personal wireless routing (“hotspot”) capability.

Item 3 and note 6 have been added: Transmitters not approved as Software Defined Radio (*See* KDB 594280).